

## INTERNATIONAL SEARCH REPORT

In national Application No  
PCT/IB2004/052524

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L27/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BODE ET AL.: "Combined GMSK and 8PSK modulator for GSM and EDGE" IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS, 28 May 2003 (2003-05-28), pages III 614-III 617, XP002318484 PISCATAWAY, US cited in the application page 614, left-hand column, last paragraph	1-11
X	US 6 445 745 B1 (BONTU ET AL.) 3 September 2002 (2002-09-03) abstract	1-11
X	WO 03/036896 A2 (TROPIAN) 1 May 2003 (2003-05-01) figure 16	1-11
	----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family.

Date of the actual completion of the international search

21 February 2005

Date of mailing of the international search report

07/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Scriven, P

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/052524

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 881 806 A (ALCATEL) 2 December 1998 (1998-12-02) abstract	1-11
X,P, L	----- WO 2004/021659 A (PHILIPS) 11 March 2004 (2004-03-11) raises questions as to the validity of the claimed priority abstract figures 6,8 -----	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB2004/052524

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6445745	B1	03-09-2002	NONE
WO 03036896	A2	01-05-2003	US 2004208157 A1 21-10-2004 EP 1438817 A2 21-07-2004
EP 0881806	A	02-12-1998	AU 6804298 A 03-12-1998 CA 2236686 A1 29-11-1998 CN 1201303 A 09-12-1998 EP 0881806 A2 02-12-1998 JP 11041302 A 12-02-1999 SG 71793 A1 16-10-2001
WO 2004021659	A	11-03-2004	WO 2004021659 A1 11-03-2004